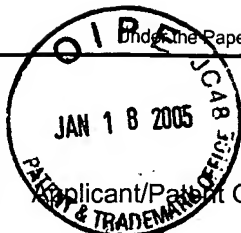


1746



# **STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Assignor/Owner: Allison Advanced Development Company

Application No./Patent No.: 10/613,290

Filed/Issue Date: July 3, 2003

Entitled: **CONSTANT VOLUME COMBUSTOR**

Allison Advanced Development Company, a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 014460, Frame 0907, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
2. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document (s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature

January 14, 2005  
Date

John H. Allie  
Printed or Typed Name

317-261-7944  
Telephone number

Attorney for Assignee  
Title



Doc Code:

PTO/SB/80 (11-04)  
Approved for use through 11/30/2005. OMB 0651-0035  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO**

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

☒ Practitioners associated with the Customer

23643

OR

☐ Practitioner(s) named below (If more than ten practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

☒ The address associated with Customer

23643

OR

☐ Firm or

Address

City

State

Zip

Country

Telephone

Fax

Assignee Name and Address:

Allison Advanced Development Company, Inc.  
P.O. Box 7162  
Indianapolis, IN 46206-7162

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

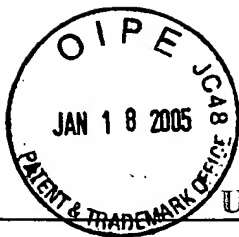
**SIGNATURE of Assignee of Record**

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature	<i>Daniel M. Barbieri</i>	Date	1-14-05
Name	DANIEL M BARBIERI	Telephone	317-230-5446
Title	LEGAL COUNSEL		

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MARCH 31, 2004

PTAS

WOODARD, EMHARDT, MORIARTY, ET AL  
JOHN H. ALLIE  
111 MONUMENT CIRCLE, SUITE 3700  
INDIANAPOLIS, INDIANA 46204



\*102545923A\*

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RECORDATION DATE: 09/08/2003

REEL/FRAME: 014460/0907

NUMBER OF PAGES: 5

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SNYDER, PHILIP H.

DOC DATE: 07/23/2003

ASSIGNOR:

EMMERSON, CALVIN W.

DOC DATE: 07/22/2003

ASSIGNEE:

ALLISON ADVANCED DEVELOPMENT  
COMPANY

P.O. BOX 420

INDIANAPOLIS, INDIANA 46206

SERIAL NUMBER: 10613290

FILING DATE: 07/03/2003

PATENT NUMBER:

ISSUE DATE:

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MAY 04 2004

014460/0907 PAGE 2

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ASSIGNMENT DIVISION  
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To the Honorable Commissioner of P.

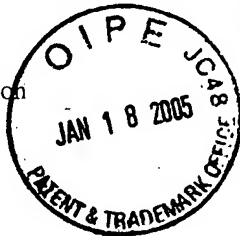
102545923

d original documents or copy thereof.

## 1. Name of conveying party(ies):

Philip H. Snyder

Calvin W. Emmerson



9.803

## 2. Name and address of receiving party(ies)

Name Allison Advanced Development Company

Internal Address

Street Address P. O. Box 420

City Indianapolis State IN Zip 46206

Additional name(s) & address(es) attached? ☐ Yes ☒ NoAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other: \_\_\_\_\_

Execution Date: July 22, 2003; July 23, 2003

## 4. Application number(s) or registration number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 10/613,290

A. Patent No.(s)

Additional number(s) attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name John H. Allie

Internal Address Woodard, Emhardt, Moriarty, McNett,  
& Henry LLPStreet Address 111 Monument Circle  
Suite 3700

City Indianapolis State IN ZIP 46204

## 6. Total number of applications and patents involved: 1

## 7. Total fee (37 CFR 3.41)

\$ 40.00

☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

23-3030

(Attach duplicate copy of this page if paying by deposit account)

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## 9. Statement and Signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

John H. Allie

Name of Person Signing

Signature

September 4, 2003

Date

Total number of pages including cover sheet, attachments, and document: 5

Mail documents to be recorded with required cover sheet information to:  
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P.O. Box 1450, Alexandria, VA 22313-1450  
or VIA FACSIMILE (703) 306-5995 006001-000988.JHA.237798

09/09/2003 ECDOPER 00000126 10613290

01 FC:8021

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

September 4, 2003

(Date of Deposit)

John H. Allie

Name of Registered Representative

Signature

September 4, 2003

Date of Signature

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## ASSIGNMENT

WHEREAS, Philip H. Snyder of 1650 South CR 525 East, Avon, Indiana, 46123; and Calvin W. Emmerson, 2302 Foxcliff North, Martinsville, Indiana, 46151, hereinafter referred to as Assignors, have made one or more new and useful inventions in **CONSTANT VOLUME COMBUSTOR** for which Assignors have made or will make application for Letters Patent of the United States (hereinafter the "Application"); and

WHEREAS, Allison Advanced Development Company, hereinafter referred to as Assignee, a corporation of the State of Delaware, having a principal place of business at P. O. Box 420, Indianapolis, Indiana, 46206-0420, desires to acquire all of the entire right, title, and interest in, to and under the one or more inventions disclosed, described and claimed or intended so to be in the Application, and in, to and under the Application, and in, to and under any and all Letters Patent, United States and foreign, which may be obtained therefor and thereon;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar (\$1.00) and other good, valuable and sufficient considerations to Assignors in hand paid, the receipt of which is hereby acknowledged, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto Assignee, all of the entire right, title, and interest in, to and under the one or more inventions disclosed, described and claimed or intended so to be in the Application entitled **CONSTANT VOLUME COMBUSTOR**, and any and all other applications thereon and arising therefrom, including any and all applications claiming the benefit thereof, and any and all divisions, continuations, and continuation-in-parts thereof, and any and all patents to be issued and obtained therefor and thereon, United States and foreign, including all reissues and extensions thereof.

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Assignors acknowledge that the Application was executed concurrently herewith unless a different execution date is indicated in item (a) below. Assignors hereby authorize the Assignee, its counsel, or its agents to fill-in some or all of the following list of information items (a) through (c) at the discretion of the Assignee, its counsel, or its agents:

- (a) Execution Date of the Application: July 2, 2002
- (b) Patent Office Number for the Application: 10/613,290
- (c) Filing date of the Application: July 3, 2003

Assignors hereby authorize and request the Honorable Assistant Secretary and Commissioner of Patents and Trademarks to issue said Letters Patent to Assignee, its assigns and legal representatives.

Assignors agree to assign and execute any and all other papers necessary or desirable for the procurement of Letters Patent on said invention in this and all foreign countries for the use of Assignee.

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WITNESS First Assignor's hand this 23 day of July, 2003.

Philip H. Snyder  
Philip H. Snyder

STATE OF INDIANA )  
COUNTY OF Marion ) : ss

Before me, a Notary Public, in and for said County and State, personally appeared Philip H. Snyder, who, being first duly sworn upon his oath, acknowledged the execution of the foregoing "Assignment" as his voluntary act and deed.

WITNESS my hand and Notarial Seal this 23 day of July, 2003.

Cynthia A. Baxter  
Notary Public

Printed: Cynthia A. Baxter

Resident of Johnson County

My Commission Expires:

9/25/07



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WITNESS Second Assignor's hand this 22 day of July, 2003.

Calvin W. Emmerson  
Calvin W. Emmerson

STATE OF INDIANA )  
COUNTY OF Marion ) : ss

Before me, a Notary Public, in and for said County and State, personally appeared Calvin W. Emmerson, who, being first duly sworn upon his oath, acknowledged the execution of the foregoing "Assignment" as his voluntary act and deed.

WITNESS my hand and Notarial Seal this 22 day of July, 2003.

Cynthia A Baxter  
Notary Public

Printed: Cynthia A Baxter

Resident of Johnson County

My Commission Expires:

9/25/07